CBAA 2017 RADIO STATION TECHNOLOGY BOOTCAMP

John Maizels with Michelle Brown

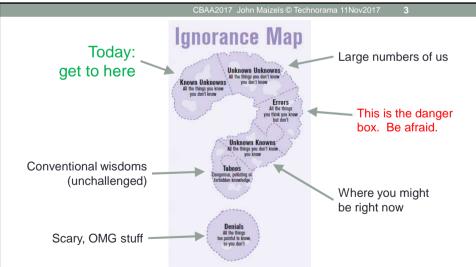
TECHN©RAMA

Who are we?

- Maiz
 - The tech
 Presenter
 - Flesenter
 - Closet manager
 - Member of Technorama
 - CBF grant assessor
 - Committed gap-bridger

Michelle

- The manager
- Presenter
- Closet tech
- Member of Technorama
- CBF grant assessor
- Committed gap-bridger



Basis for thi	s session
Typical Challenge	
, i i i i i i i i i i i i i i i i i i i	ent has business responsibility
•	technology business
• But	
0	aining, business responsibility is not always ific technical knowledge
 Result: decisions they don't know 	being made by people who don't know what

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A bumpy ride

- This session will be a bit of a firehose
- Take you to point where you know
 - Some questions to ask
 - Who to ask
 - Where to find people to ask the questions
- So you will KNOW what you DON'T KNOW

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What we'll cover in this session

- Some technical language
- End-to-end signal path
- Common grant application mistakes
- Alignment of priorities
 - Tech vs Management
 - Regulatory vs operational



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Communicating with your tech people

- Who doesn't have a tech?
- Your techs will be guided by the Four Drivers
 - Make things
 - Fix things
 - Manage risk
 - Uphold the truth
- And your techs need hugs
- Check CBAA 2016 technologist panel:
- www.technorama.org.au look for Resources tab

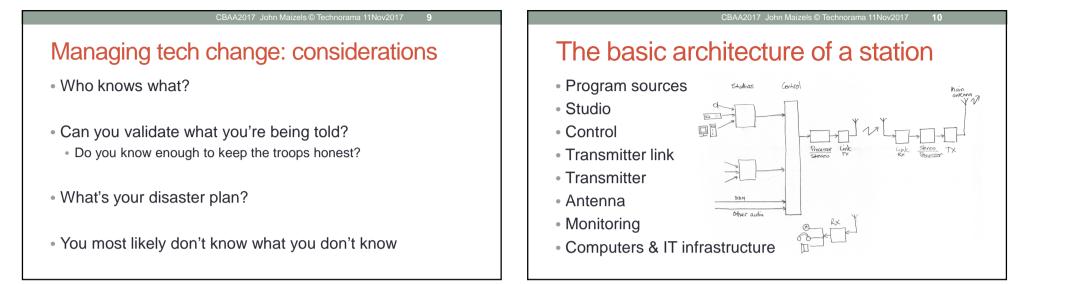


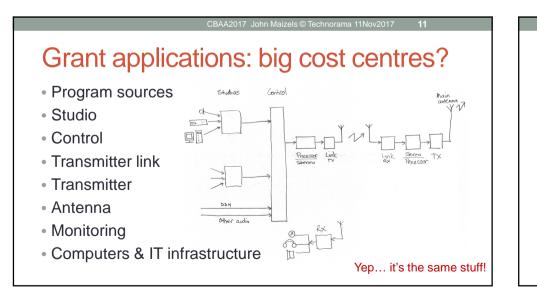


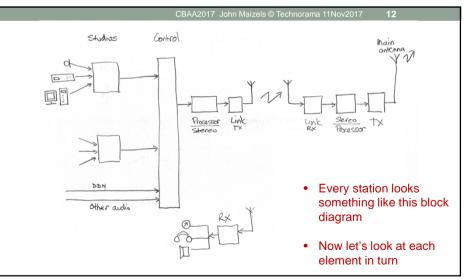
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What **should** be important to you?

- How does it sound?
 - Your listeners = your customers
- How does it work?
- Your volunteers = your human capital
 - · If things don't work, your volunteers are negatively impacted
- Are you adequately resourced?
 - Your tech volunteers = your architects & builders



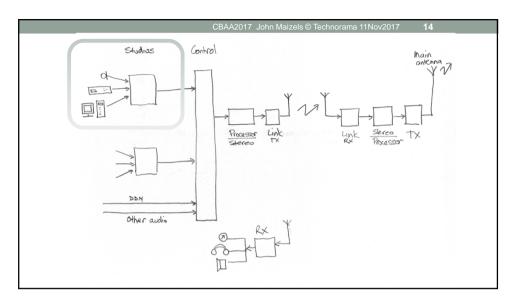


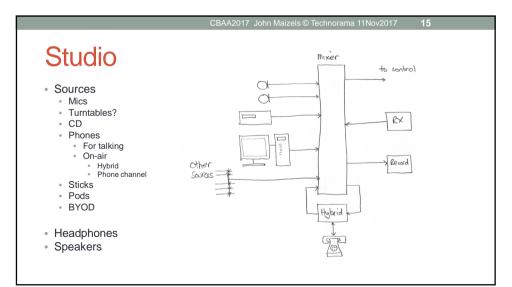


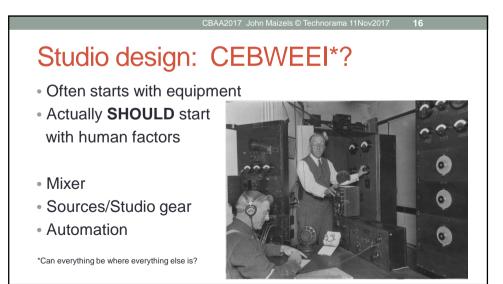
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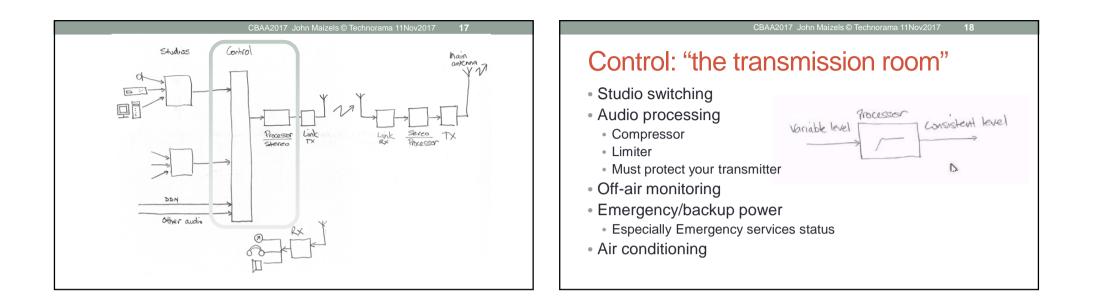
Important – do not pass GO yet

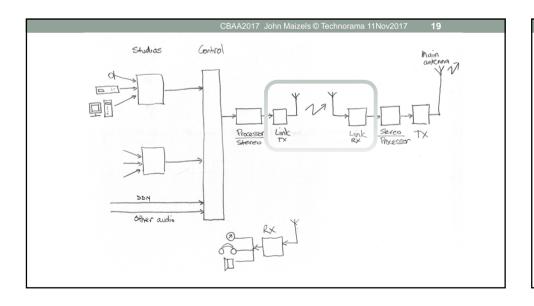
- You will (or should) be thinking about your station
- Where are you heading?
- Plan for the future not the past
- Does your strat plan say what you want to achieve?
- THAT should drive future tech requirements

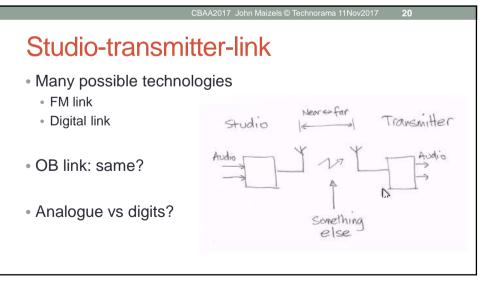


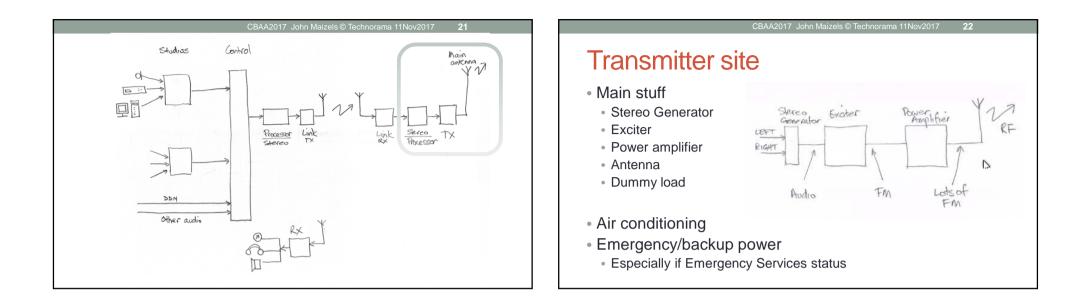


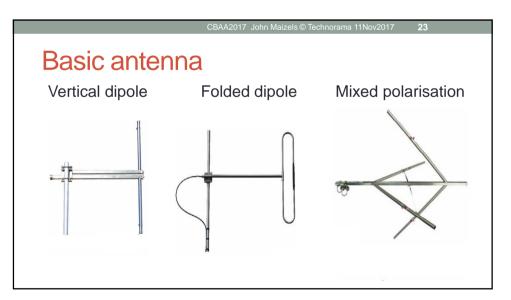


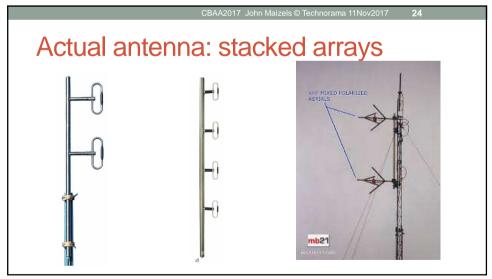












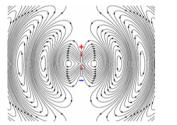
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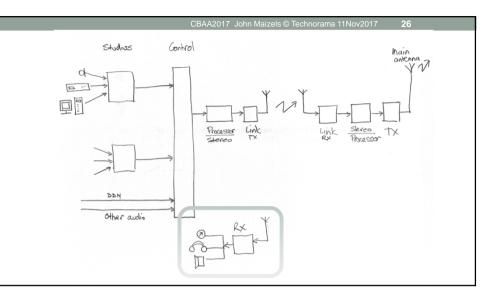
Transmitter site: antenna

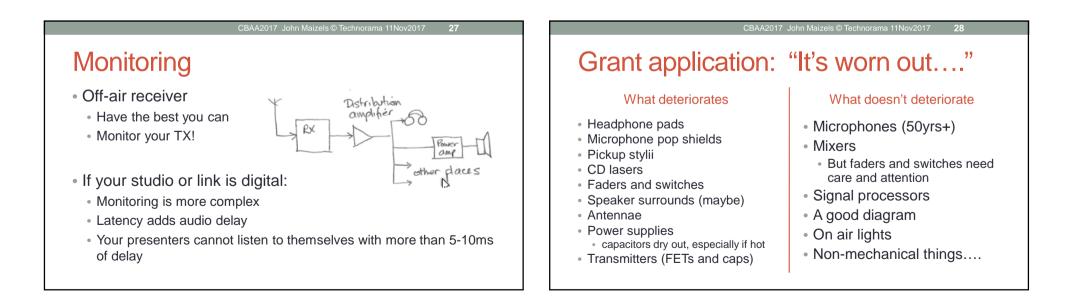
- Antenna height signal heads to the horizon at FM freq.
- Theoretical power output
 - Determined by/set in your LAP
- Antenna gain set by design number of elements
- Actual power output

((TX power * antenna gain) – losses)

- Antenna (so signal) polarisation
 - Vertical (OK, grandfathered)
 - Mixed (much better than vertical)







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What is your absolute goal?

- Align Board and Management priorities with volunteer and tech priorities
- Have your station documented at a block diagram level
- . Know that the station is set up and lined up correctly
- Establish what skills are available to your station
 Your own people can be augmented by the tech community!!
- Support and engage with Technorama and CMTO training
- Get someone in with calibrated gear
 - Critical, but infrequently needed once it's done properly

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www.technorama.org.au

- Support development of the sector's big asset
 - Technologists
- Costs just \$10/year to be a member
 - Join via the website
 - Heaps of benefits...
- · Get your station on the mailing list
 - Sign up via the website costs nothing, and you stay informed
- Join Technorama Q&A (Facebook closed group)
 - HUGE resource!

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Tips: things to think about after this...

• It's OK to not know. It's NOT OK to pretend that you DO know.

- Diagrams improve your chances with CBF grant applications
- Ensure your tech is a member of Technorama.
 costs almost nothing.
- Ensure your station admin, Manager and Chair are on the Technorama mailing list
 costs nothing. Stay in touch with Tech developments.
- Tell us what we can do to help: email info@technorama.org.au
- If you don't know how to explain a tech problem:
- take photos, provide evidence, draw diagrams... don't just guess what the problem is.
- Put tech training on your stratplan.
 Support the CMTO and Techorama training agenda
- Support the CMTO and Techorama traning agenda
 Put technology strategy on your stratplan, and keep the tech strategy plan current
- Fut technology strategy on your stratpian, and keep the tech strategy p
 THINK BIG. Reach for the sky rather than the floor.
- Send your Tech to TR18 (will be announced via the mailing list)

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TECHNORAMA

Big finish

- Tech is like driving
 - not everyone is a racer, but you <u>can</u> do your bit
- Join Technorama
 - Get on the Technorama Q&A group and ask away...
- Invest in your technologists
 - Grow a team
 - Budget to send someone to Technorama each year